

WEST Search History

DATE: Thursday, December 04, 2003

<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
<i>DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>			
L13	L4 and 134/\$.ccls	0	L13
L12	l4 and 210/\$.ccls	0	L12
L11	L4 and 510/\$.ccls	0	L11
L10	L6 and 510/\$.ccls	0	L10
L9	L6 and 210/\$.ccls	0	L9
L8	L6 and 134/\$.ccls	0	L8
L7	L6 and (electro-dipcoating laquer binder)	0	L7
L6	L4 and (cleaning agent\$)	54	L6
L5	L4and (cleaning agent\$)	0	L5
L4	L3 and cleaning	688	L4
L3	ultrafiltration membranes	6435	L3
L2	electro-dipcoating membranes	0	L2
L1	electro-dipcoating ultrafiltration membranes	0	L1

END OF SEARCH HISTORY

WEST[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 10 of 54 returned.**☐ 1. Document ID: US 20030196955 A1

L6: Entry 1 of 54

File: PGPB

Oct 23, 2003

PGPUB-DOCUMENT-NUMBER: 20030196955
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030196955 A1

TITLE: Membrane based fluid treatment systems

PUBLICATION-DATE: October 23, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Hughes, Kenneth D.	Alpharetta	GA	US	

US-CL-CURRENT: 210/650; 210/651, 210/652, 210/805, 210/806

ABSTRACT:

A process for removing soluble and insoluble inorganic, organic, and microbiological contaminants from a fluid stream employing a pretreatment module, a post-treatment module, a recycle stream module or any combination thereof, and a membrane module, is provided. The process provided reduces the problems associated with membrane fouling and increases contaminant removal capacity.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RWC	Draw Desc	Image
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☐ 2. Document ID: US 20030170710 A1

L6: Entry 2 of 54

File: PGPB

Sep 11, 2003

PGPUB-DOCUMENT-NUMBER: 20030170710
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030170710 A1

TITLE: Method of separating viral particles

PUBLICATION-DATE: September 11, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Blanche, Francis	Paris		FR	
Barbot, Anne	Verrieres-les-Buisson		FR	
Cameron, Beatrice	Paris		FR	

US-CL-CURRENT: 435/6; 435/235.1, 435/239, 435/325

ABSTRACT:

The invention concerns a novel method for purifying and quantifying viral particles.

More particularly, the invention concerns a method for purifying and quantifying adenovirus by ion-exchange chromatography. The invention also concerns a method for identifying different adenovirus serotypes.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 3. Document ID: US 20030109807 A1

L6: Entry 3 of 54

File: PGPB

Jun 12, 2003

PGPUB-DOCUMENT-NUMBER: 20030109807
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030109807 A1

TITLE: Device and method for removing liquid from endogenic tissue and determining the concentrations of substance in said liquid

PUBLICATION-DATE: June 12, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Knoll, Meinhard	Steinfurt		DE	

US-CL-CURRENT: 600/583

ABSTRACT:

The present invention relates to a device for removing liquid from endogenic tissue and determining concentrations of substances in this liquid, in which a hollow chamber (3), which is placeable in direct contact on the skin (1) covering the tissue with at least one contact opening (3.1) disposed on a contact surface (3.2) and the hollow chamber (3) is connected to a low pressure-producing element (P) via a channel (4.1).

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image
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☐ 4. Document ID: US 20030091789 A1

L6: Entry 4 of 54

File: PGPB

May 15, 2003

PGPUB-DOCUMENT-NUMBER: 20030091789
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030091789 A1

TITLE: Method for making conductive circuits using powdered metals

PUBLICATION-DATE: May 15, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Koskenmaki, David C.	Pine Mountain Club	CA	US	
Kuhns, David W.	Minneapolis	MN	US	

US-CL-CURRENT: 428/138; 427/123, 427/191, 427/256, 427/383.1, 427/553, 427/600, 428/209

ABSTRACT:

A method for making an electrically conductive pattern, including:

- (a) depositing on a substrate a metal powder composition consisting essentially of at least one metal powder, wherein the substrate is selected from the group consisting of paper and materials that are at least about 10% compressible; and
- (b) densifying the composition to form a conductive pattern on the substrate.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 5. Document ID: US 20030052068 A1

L6: Entry 5 of 54

File: PGPB

Mar 20, 2003

PGPUB-DOCUMENT-NUMBER: 20030052068

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030052068 A1

TITLE: Separating system for hollow fiber membranes and operating method thereof

PUBLICATION-DATE: March 20, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Lu, Xiao-Long	Tianjin		CN	

US-CL-CURRENT: 210/798; 210/108, 210/143, 210/321.69, 210/321.79

ABSTRACT:

The invention relates to a separating system with hollow fiber membranes and an operating method. A dual backwash loop which is a pipeline connecting a top port of the said membrane assembly to a cleaning pump through a first branch and a second branch. The first branch is designed to fill a small amount of cleaning liquid into the said membrane assembly; and the second branch is designed to fill a relatively large amount of cleaning liquid in order to clean the membrane adequately. The said system operates in the following procedures: operation status, cleaning status 1, cleaning status 2, drain status, returning to the operation status. The technology of the present invention may be used to enhance the cleaning effect to the membrane system, further save water for the cleaning process, shorten the cleaning time, thus benefiting the continuous large scale industrial production and having higher efficiency.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 6. Document ID: US 20030034295 A1

L6: Entry 6 of 54

File: PGPB

Feb 20, 2003

PGPUB-DOCUMENT-NUMBER: 20030034295

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030034295 A1

TITLE: Supported mesoporous carbon ultrafiltration membrane and process for making the same

PUBLICATION-DATE: February 20, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Strano, Michael	Wilmington	DE	US	
Foley, Henry C.	State College	PA	US	
Agarwal, Hans	Newark	DE	US	

US-CL-CURRENT: 210/483; 210/488, 210/489, 210/490

ABSTRACT:

A novel supported mesoporous carbon ultrafiltration membrane and process for producing the same. The membranes comprise a mesoporous carbon layer that exists both within and external to the porous support. A liquid polymer precursor composition comprising both carbonizing and noncarbonizing templating polymers is deposited on the porous metal support. The coated support is then heated in an inert-gas atmosphere to pyrolyze the polymeric precursor and form a mesoporous carbon layer on and within the support. The pore-size of the membranes is dependent on the molecular weight of the noncarbonizing templating polymer precursor. The mesoporous carbon layer is stable and can withstand high temperatures and exposure to organic chemicals. Additionally, the porous metal support provides excellent strength properties. The composite structure of the membrane provides novel structural properties and allows for increased operating pressures allowing for greater membrane flow rates.

The invention also relates to the use of the novel ultrafiltration membrane to separate macromolecules from solution. An example is shown separating bovine serum albumin from water. The membrane functions by separating and by selective adsorption. Because of the membrane's porous metal support, it is well suited to industrial applications.

The unique properties of the supported mesoporous carbon membrane also allow the membrane to be used in transient pressure or temperature swing separations processes. Such processes were not previously possible with existing mesoporous membranes. The present invention, however, possesses the requisite physical properties to perform such novel ultrafiltration processes.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 7. Document ID: US 20030029799 A1

L6: Entry 7 of 54

File: PGPB

Feb 13, 2003

PGPUB-DOCUMENT-NUMBER: 20030029799
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030029799 A1

TITLE: Carbohydrate purification using ultrafiltration, reverse osmosis and nanofiltration

PUBLICATION-DATE: February 13, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
DeFrees, Shawn	North Wales	PA	US	

US-CL-CURRENT: 210/652; 536/53

ABSTRACT:

The invention provides methods for purifying carbohydrates, including oligosaccharides, nucleotide sugars, and related compounds, by use of ultrafiltration, nanofiltration and/or reverse osmosis. The carbohydrates are purified away from undesired contaminants such as compounds present in reaction mixtures following enzymatic synthesis or degradation of oligosaccharides.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 8. Document ID: US 20020179545 A1

L6: Entry 8 of 54

File: PGPB

Dec 5, 2002

PGPUB-DOCUMENT-NUMBER: 20020179545

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020179545 A1

TITLE: Fluid conveyed material collection system

PUBLICATION-DATE: December 5, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Rosenberger, Stefan	Moembris	SC	DE	
Wilson, James H.	Columbia	TN	US	
Snyder, Thomas S.	Oak Ridge		US	

US-CL-CURRENT: 210/806

ABSTRACT:

The present invention is a system (or apparatus) and method for processing fluids, especially waste streams from nuclear power plants, and other fluid media that may be carrying valuable or useful substances, in order to collect the substances carried by such media. The system uses sequential filtering and multiple passes to concentrate the substances, which allows the system to collect virtually all of the substances of interest to the user while reducing the volume of both the unwanted materials as well as the desired materials desired without affecting the purity of the fluid after processing. Additionally, the collected substances can be processed in-place, and without requiring any thermal processing prior to disposal of unwanted substances, or for the recovery and/or reuse of valuable substances. Furthermore, the system provides other desirable features including, but not limited to, a novel multi-purpose container, and an optional means to stabilize waste through in-place solidification.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 9. Document ID: US 20020162177 A1

L6: Entry 9 of 54

File: PGPB

Nov 7, 2002

PGPUB-DOCUMENT-NUMBER: 20020162177

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020162177 A1

TITLE: System and method for economically viable and environmentally friendly central processing of home laundry

PUBLICATION-DATE: November 7, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Raney, Kirk Herbert	Houston	TX	US	
Tucker, Edwin E.	Norman	OK	US	
Scamehorn, John Frederick	Norman	OK	US	
Christian, Sherril Duane	Norman	OK	US	
Christian, Dolores	Norman	OK	US	
Capps, Stephen Franklin	The Woodlands	TX	US	
Haberman, Leonard Michael	Cypress	TX	US	

US-CL-CURRENT: 8/158; 68/18F

ABSTRACT:

An economically viable process and system for centrally processing multiple loads of laundry with minimum environmental impact. A system and method of laundering whereby successive loads of laundry may be washed while continuously providing effective soil removal comprising at least partially recycled wash water from at least one previous wash cycle. The system and the method of using the same comprises filtering wash water with at least one filter to form wash retentate and wash permeate. The use of wash permeate in successive washes provides for reuse of chemicals and water recovery. A similar arrangement may be used with regard to the rinse water. Advantageously, one embodiment of the invention provides for the use of rinse retentate as make up water in the wash loop which increases water recovery and chemical recovery. Ultimately, the invention can reduce the production of gray water and recover chemicals used in the laundering process.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 10. Document ID: US 20020148791 A1

L6: Entry 10 of 54

File: PGPB

Oct 17, 2002

PGPUB-DOCUMENT-NUMBER: 20020148791

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020148791 A1

TITLE: Carbohydrate purification using ultrafiltration, reverse osmosis and nanofiltration

PUBLICATION-DATE: October 17, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
DeFrees, Shawn	North Wales	PA	US	

US-CL-CURRENT: 210/767; 536/53

ABSTRACT:

The invention provides methods for purifying carbohydrates, including oligosaccharides, nucleotide sugars, and related compounds, by use of ultrafiltration, nanofiltration and/or reverse osmosis. The carbohydrates are purified away from undesired contaminants such as compounds present in reaction mixtures following enzymatic synthesis or degradation of oligosaccharides.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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Term	Documents
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CLEANINGS	2234
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AGENT	1451202
AGENTA	65
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"AGENTAAGENTB[IWANTITEMXINFO"	1
"AGENTAAGENTC[IWANTITEMXINFO"	1
AGENTAAND	1
AGENTACCESS	1
AGENTACID	1
(L4 AND (CLEANING AGENT\$)). USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	54

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WEST[Generate Collection](#)[Print](#)**Search Results - Record(s) 41 through 50 of 54 returned.**☐ 41. Document ID: US 4990252 A

L6: Entry 41 of 54

File: USPT

Feb 5, 1991

US-PAT-NO: 4990252

DOCUMENT-IDENTIFIER: US 4990252 A

**** See image for Certificate of Correction ****

TITLE: Stable membranes from sulfonated polyarylethers

DATE-ISSUED: February 5, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tomaschke; John E.	San Diego	CA		
Testa; Anthony J.	Westwood	MA		
Vouros; James G.	Boston	MA		

US-CL-CURRENT: 210/321.83; 210/490, 210/500.23, 210/500.39, 210/500.41, 427/246

ABSTRACT:

The invention provides a novel thin film composite or coated membrane suitable for reverse osmosis, ultrafiltration and microfiltration applications, and having a porous polymeric substrate with one or more microporous layers to which a thin film or coating comprising a sulfonated polyarylether is attached substantively to provide an oxidatively stable, thin hydrophilic film or coating layer, and a method for manufacturing and using the same.

16 Claims, 0 Drawing figures

Exemplary Claim Number: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KMIC	Draw Desc	Image
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☐ 42. Document ID: US 4740308 A

L6: Entry 42 of 54

File: USPT

Apr 26, 1988

US-PAT-NO: 4740308

DOCUMENT-IDENTIFIER: US 4740308 A

TITLE: Membrane cleaning process

DATE-ISSUED: April 26, 1988

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fremont; Henry A.	Wyoming	OH		
Agar; Richard C.	Cincinnati	OH		
Bray; James W.	West Chester	OH		
Marquart; Gregory W.	Oxford	OH		

US-CL-CURRENT: 210/632; 210/409, 210/636

ABSTRACT:

A process for cleaning fouled separation membranes such as ultrafiltration, reverse osmosis, and microfiltration membranes is provided comprising: removing a separation membrane having a fouled surface from operation; effecting reaction on the fouled surface of said membrane of an inorganic peroxide and an alkali metal or alkaline earth metal hypohalite; and thereafter, substantially removing the foulant and the reaction products thereof from the membrane surface.

15 Claims, 0 Drawing figures
Exemplary Claim Number: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 43. Document ID: US 4708790 A

L6: Entry 43 of 54

File: USPT

Nov 24, 1987

US-PAT-NO: 4708790

DOCUMENT-IDENTIFIER: US 4708790 A

TITLE: Ultrafiltration system with regeneration control

DATE-ISSUED: November 24, 1987

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bray; James W.	West Chester	OH		

US-CL-CURRENT: 210/87; 210/106, 210/321.69

ABSTRACT:

An ultrafiltration system has a plurality of filter modules coupled in a parallel arrangement. The flow rate at the output of each filter module is detected. When the flow rate of a given module falls below a threshold value, that module is disconnected from the ultrafiltration system and automatically coupled into a regeneration circuit so that the filter module can be cleaned. Once regenerated, the filter module is recoupled into the ultrafiltration system. If the regeneration circuit is already in use when a filter module is detected to be in need of regeneration, that module is placed in a queue for regeneration once the regeneration circuit is free, and all other modules previously placed in queue have been regenerated. While awaiting regeneration, the filter modules are kept in service in the ultrafiltration system.

8 Claims, 5 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 44. Document ID: US 4702842 A

L6: Entry 44 of 54

File: USPT

Oct 27, 1987

US-PAT-NO: 4702842

DOCUMENT-IDENTIFIER: US 4702842 A

TITLE: Apparatus for reverse osmosis using fluid recirculation

DATE-ISSUED: October 27, 1987

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lapierre; Donald	St. Georges de Beauce (Quebec)			CA

US-CL-CURRENT: 210/651; 210/416.1, 210/652

ABSTRACT:

A membrane element pumping and circulation mechanism comprising a pressure vessel containing a centrifugal pumping mechanism and a membrane module wherein aqueous fluid to be purified undergoes active circulation and purification while following a continuous path without leaving the primary container; as well as a purification process using the mechanism.

20 Claims, 14 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 8

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWC	Draw Desc	Image
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☐ 45. Document ID: US 4416700 A

L6: Entry 45 of 54

File: USPT

Nov 22, 1983

US-PAT-NO: 4416700

DOCUMENT-IDENTIFIER: US 4416700 A

TITLE: Process for treating caramel colors

DATE-ISSUED: November 22, 1983

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Clark; Allen V.	Winter Park	FL		
Myers; Dirck V.	Atlanta	GA		
Hatch; Vaughn I.	Huntertown	IN		

US-CL-CURRENT: 127/34; 127/55, 127/DIG.1, 210/639, 210/651, 210/806, 210/917

ABSTRACT:

Caramel color concentrates are prepared by subjecting a mixture of caramel color and water to ultrafiltration through a semi-permeable membrane, wherein the pH and/or ionic strength of the caramel color/water mixture, at all or particular stages of the ultrafiltration process, is regulated so as to obtain desirable processing and product attributes, such as increased retention of desired properties of the starting caramel color, increased removal of low molecular weight materials during ultrafiltration and increased rates of ultrafiltration.

1 Claims, 11 Drawing figures

Exemplary Claim Number: 1
Number of Drawing Sheets: 3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RWC	Draw Desc	Image
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☐ 46. Document ID: US 4253962 A

L6: Entry 46 of 54

File: USPT

Mar 3, 1981

US-PAT-NO: 4253962
DOCUMENT-IDENTIFIER: US 4253962 A

TITLE: Non-destructive vibratory cleaning system for reverse osmosis and ultra filtration membranes

DATE-ISSUED: March 3, 1981

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Thompson; John R.	Camarillo	CA		

US-CL-CURRENT: 210/414; 210/321.67, 210/321.69

ABSTRACT:

Non-destructive vibratory cleaning of reverse osmosis and ultra filtration membranes is accomplished by strategically positioning a plurality of ultrasonic transducers and using a frequency modulating sweep system to vibrate various and different transducers for vibrating liquid adjacent the membrane to be cleaned while preventing long period standing waves from being produced and/or continuously move a transducer along a filter module during cleaning to provide intense ultrasonic energy while preventing formation of membrane destructive standing waves.

12 Claims, 6 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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RWC	Draw Desc	Image
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☐ 47. Document ID: US 4158629 A

L6: Entry 47 of 54

File: USPT

Jun 19, 1979

US-PAT-NO: 4158629
DOCUMENT-IDENTIFIER: US 4158629 A

TITLE: Dynamic self-cleaning filter for liquids

DATE-ISSUED: June 19, 1979

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sawyer; Harold T.	Pacific Palisades	CA		

US-CL-CURRENT: 210/137; 210/321.67, 210/321.69, 210/321.87, 210/414, 210/785

ABSTRACT:

A continuous self-cleaning filter for liquids has an outer resonant tube concentrically mounted around an inner composite tube in spaced relationship providing an annular chamber between them. There is an inflow at one end of the annular chamber for the liquid and an outflow at the other end for residual concentrate. The inner composite tube has an outlet at one end for clear effluent and a closed opposite end. A relatively thin walled perforate liner enveloped in a filter blanket comprises the composite tube. For constantly cleaning the filter blanket a sonic sinusoidal wave inducing transducer is affixed to the exterior wall of the outer resonant tube at an antinodal point, thereby to excite the outer tube into a state of resonance, thereby to continuously transform the liquid to be filtered within the annular chamber into a state of intense vaporous cavitation energy thereby to implode the surfaces of the filter blanket material causing the contamination and build up residue to be continuously removed and returned to concentrate flow within the annular chamber.

13 Claims, 7 Drawing figures.
Exemplary Claim Number: 1
Number of Drawing Sheets: 2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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☐ 48. Document ID: JP 04104895 A

L6: Entry 48 of 54

File: JPAB

Apr 7, 1992

PUB-NO: JP404104895A
DOCUMENT-IDENTIFIER: JP 04104895 A
TITLE: BIOLOGICAL TREATING DEVICE FOR ORGANIC SEWAGE

PUBN-DATE: April 7, 1992

INVENTOR-INFORMATION:

NAME

COUNTRY

KATAOKA, KATSUYUKI

US-CL-CURRENT: 210/197; 210/199

INT-CL (IPC): C02F 3/12; B01D 61/14; B01D 65/02; B01D 65/06; C02F 1/44; C02F 3/30

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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☐ 49. Document ID: JP 58045712 A

L6: Entry 49 of 54

File: JPAB

Mar 17, 1983

PUB-NO: JP358045712A
DOCUMENT-IDENTIFIER: JP 58045712 A
TITLE: METHOD FOR RESTORING CAPACITY OF ULTRAFILTRATION MODULE

PUBN-DATE: March 17, 1983

INVENTOR-INFORMATION:

NAME

COUNTRY

HASHINO, YASUO

MIZUNO, SHINJI

NOMI, TAKASHI

US-CL-CURRENT: 210/391

INT-CL (IPC): B01D 31/00; B01D 13/00

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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☐ 50. Document ID: WO 112306 A1

L6: Entry 50 of 54

File: EPAB

Feb 22, 2001

PUB-NO: WO000112306A1

DOCUMENT-IDENTIFIER: WO 112306 A1

TITLE: CLEANING AGENT AND METHOD FOR CLEANING ULTRAFILTRATION MEMBRANES IN ELECTROPHORETIC DIP COATING INSTALLATIONS

PUBN-DATE: February 22, 2001

INVENTOR-INFORMATION:

NAME

BUENGER, HANS-PETER

COUNTRY

DE

INT-CL (IPC): B01 D 65/06; C25 D 13/24; B01 D 61/14

EUR-CL (EPC): B01D065/06; C11D011/00, C25D013/24

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
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KWIC	Draw Desc	Image
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AGENTACCESS	1
AGENTACID	1
(L4 AND (CLEANING AGENTS)).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	54

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L6: Entry 53 of 54

File: DWPI

Feb 29, 2000

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DERWENT-WEEK: 200022
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TITLE: Ultrafiltration membrane cleaning mechanism in water purifier - has removable cartridge with insertion opening for supplying cleaning agent to clean separation membrane accommodated in cartridge

PRIORITY-DATA: 1998JP-0230995 (August 17, 1998)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 2000061463 A	February 29, 2000		008	C02F001/44

INT-CL (IPC): B01 D 65/06; C02 F 1/28; C02 F 1/44

ABSTRACTED-PUB-NO: JP2000061463A
BASIC-ABSTRACT:

NOVELTY - Separation membrane (5) is accommodated in the cartridge (4) provided detachedly in flow path formed between inflow opening and outlet hole of purifier. An insertion opening (6) is formed in cartridge, for supplying cleaning agent in order to clean separation membrane.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for ultrafiltration membrane cleaning method.

USE - For removing clogged particles from ultrafiltration membrane in water purifier in waste water treatment facility.

ADVANTAGE - The cleaning of membrane is easy since cartridge has cleaning agent supply opening. Moreover cleaning process becomes further easy since cartridge is detachable. The filtration efficiency is maintained because multiple filters are used. The membrane are also replaceable. The microbes are eliminated since the cleaning liquid performs oxidative degradation of sediments adhered to membrane

DESCRIPTION OF DRAWING - The figure shows sectional view of cartridge of water purifier. (4) Cartridge; (5) Separation membrane; (6) Insertion opening.

ABSTRACTED-PUB-NO: JP2000061463A
EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.1/4

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L6: Entry 53 of 54

File: DWPI

Feb 29, 2000

DERWENT-ACC-NO: 2000-250250

DERWENT-WEEK: 200022

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TITLE: Ultrafiltration membrane cleaning mechanism in water purifier - has removable cartridge with insertion opening for supplying cleaning agent to clean separation membrane accommodated in cartridge

Basic Abstract Text (1):

NOVELTY - Separation membrane (5) is accommodated in the cartridge (4) provided detachedly in flow path formed between inflow opening and outlet hole of purifier. An insertion opening (6) is formed in cartridge, for supplying cleaning agent in order to clean separation membrane.

Basic Abstract Text (2):

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for ultrafiltration membrane cleaning method.

Basic Abstract Text (3):

USE - For removing clogged particles from ultrafiltration membrane in water purifier in waste water treatment facility.

Basic Abstract Text (4):

ADVANTAGE - The cleaning of membrane is easy since cartridge has cleaning agent supply opening. Moreover cleaning process becomes further easy since cartridge is detachable. The filtration efficiency is maintained because multiple filters are used. The membrane are also replaceable. The microbes are eliminated since the cleaning liquid performs oxidative degradation of sediments adhered to membrane

WEST**End of Result Set**

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L6: Entry 54 of 54

File: DWPI

Jan 12, 1976

DERWENT-ACC-NO: 1976-24536X

DERWENT-WEEK: 197614

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TITLE: Cleaning - disinfecting reverse osmosis and ultrafiltration membranes - with a soln. contg. phosphoric acid, wetting agent and a per acid

PRIORITY-DATA: 1975DD-0184064 (February 7, 1975)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DD 117352 A	January 12, 1976		000	

INT-CL (IPC): B01D 13/00

ABSTRACTED-PUB-NO: DD 117352A

BASIC-ABSTRACT:

Simultaneous cleaning and disinfection of ultrafiltration and reverse osmosis units at temps. above the freezing pt. of the solns. used, and obviating enzyme cleaning treatments, is accomplished by removing the deposits on the filtration membrane with a soln. contg. $\geq 0.1\%$ phosphoric acid as cleaning agent, $\geq 0.5\%$ of a (pref. non-ionic) wetting agent and $\geq 0.01\%$ of a per-acid, esp. peracetic acid, as disinfecting agent, with the usual pre- and post-rinsing with water. Proteinaceous deposits can be removed from the membrane by a single stage, low temp. process which does not require the use of expensive and slow-acting proteolytic enzymes, as in known processes.

ABSTRACTED-PUB-NO: DD 117352A

EQUIVALENT-ABSTRACTS:

WEST**End of Result Set**

Generate Collection

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L6: Entry 54 of 54

File: DWPI

Jan 12, 1976

DERWENT-ACC-NO: 1976-24536X

DERWENT-WEEK: 197614

COPYRIGHT 2003 DERWENT INFORMATION LTD

TITLE: Cleaning - disinfecting reverse osmosis and ultrafiltration membranes - with a soln. contg. phosphoric acid, wetting agent and a per acid

Basic Abstract Text (1):

Simultaneous cleaning and disinfection of ultrafiltration and reverse osmosis units at temps. above the freezing pt. of the solns. used, and obviating enzyme cleaning treatments, is accomplished by removing the deposits on the filtration membrane with a soln. contg. $\geq 0.1\%$ phosphoric acid as cleaning agent, $\geq 0.5\%$ of a (pref. non-ionic) wetting agent and $\geq 0.01\%$ of a per-acid, esp. peracetic acid, as disinfecting agent, with the usual pre- and post-rinsing with water. Proteinaceous deposits can be removed from the membrane by a single stage, low temp. process which does not require the use of expensive and slow-acting proteolytic enzymes, as in known processes.

WEST**End of Result Set**

Generate Collection

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L6: Entry 54 of 54

File: DWPI

Jan 12, 1976

DERWENT-ACC-NO: 1976-24536X

DERWENT-WEEK: 197614

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TITLE: Cleaning - disinfecting reverse osmosis and ultrafiltration membranes - with a soln. contg. phosphoric acid, wetting agent and a per acid

PATENT-ASSIGNEE: KABUS M (KABUI)

PRIORITY-DATA: 1975DD-0184064 (February 7, 1975)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DD 117352 A	January 12, 1976		000	

INT-CL (IPC): B01D 13/00

ABSTRACTED-PUB-NO: DD 117352A

BASIC-ABSTRACT:

Simultaneous cleaning and disinfection of ultrafiltration and reverse osmosis units at temps. above the freezing pt. of the solns. used, and obviating enzyme cleaning treatments, is accomplished by removing the deposits on the filtration membrane with a soln. contg. $\geq 0.1\%$ phosphoric acid as cleaning agent, $\geq 0.5\%$ of a (pref. non-ionic) wetting agent and $\geq 0.01\%$ of a per-acid, esp. peracetic acid, as disinfecting agent, with the usual pre- and post-rinsing with water. Proteinaceous deposits can be removed from the membrane by a single stage, low temp. process which does not require the use of expensive and slow-acting proteolytic enzymes, as in known processes.

ABSTRACTED-PUB-NO: DD 117352A

EQUIVALENT-ABSTRACTS:

DERWENT-CLASS: D15 J01

CPI-CODES: D04-A01D; D04-B; D09-A01; J01-C03; J01-F02B;

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L6: Entry 53 of 54

File: DWPI

Feb 29, 2000

DERWENT-ACC-NO: 2000-250250
DERWENT-WEEK: 200022
COPYRIGHT 2003 DERWENT INFORMATION LTD

TITLE: Ultrafiltration membrane cleaning mechanism in water purifier - has removable cartridge with insertion opening for supplying cleaning agent to clean separation membrane accommodated in cartridge

PATENT-ASSIGNEE: MATSUSHITA ELECTRIC WORKS LTD (MATW)

PRIORITY-DATA: 1998JP-0230995 (August 17, 1998)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 2000061463 A	February 29, 2000		008	C02F001/44

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
JP2000061463A	August 17, 1998	1998JP-0230995	

INT-CL (IPC): B01 D 65/06; C02 F 1/28; C02 F 1/44

ABSTRACTED-PUB-NO: JP2000061463A

BASIC-ABSTRACT:

NOVELTY - Separation membrane (5) is accommodated in the cartridge (4) provided detachedly in flow path formed between inflow opening and outlet hole of purifier. An insertion opening (6) is formed in cartridge, for supplying cleaning agent in order to clean separation membrane.

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ADVANTAGE - The cleaning of membrane is easy since cartridge has cleaning agent supply opening. Moreover cleaning process becomes further easy since cartridge is detachable. The filtration efficiency is maintained because multiple filters are used. The membrane are also replaceable. The microbes are eliminated since the cleaning liquid performs oxidative degradation of sediments adhered to membrane

DESCRIPTION OF DRAWING - The figure shows sectional view of cartridge of water purifier. (4) Cartridge; (5) Separation membrane; (6) Insertion opening.

ABSTRACTED-PUB-NO: JP2000061463A

EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.1/4

DERWENT-CLASS: D15
CPI-CODES: D04-A01E;

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L6: Entry 52 of 54

File: DWPI

Jul 5, 2000

DERWENT-ACC-NO: 2001-164437

DERWENT-WEEK: 200117

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TITLE: Manufacturing oxidative cleaning agent of organic and inorganic substance
attached to ultrafiltration membrane - NoAbstract

INVENTOR: KIM, D H

PATENT-ASSIGNEE: BAE J G (BAEJI), KIM D H (KIMDI)

PRIORITY-DATA: 2000KR-0015625 (March 27, 2000)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
KR 2000036726 A	July 5, 2000		000	B01D065/06

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
KR2000036726A	March 27, 2000	2000KR-0015625	

INT-CL (IPC): B01 D 65/06

DERWENT-CLASS: J01

CPI-CODES: J01-C03;

Day : Thursday
Date: 12/4/2003
Time: 11:43:46

 **PALM INTRANET****Inventor Name Search Result**

Your Search was:

Last Name = LEHMANN

First Name = HORST

Application#	Patent#	Status	Date Filed	Title	Inventor Name 6
<u>60442293</u>	Not Issued	020	01/24/2003	CATHODIC ELECTRODEPOSITION COATING COMPOSITIONS CONTAINING BISMUTH COMPOUNDS AND DICARBOXYLIC ACIDS, PRODUCTION AND USE THEREOF	LEHMANN, HORST
<u>60405198</u>	Not Issued	159	08/22/2002	CATHODIC ELECTRODEPOSITION COATING AGENTS CONTAINING BISMUTH SALTS TOGETHER WITH YTTRIUM AND/OR NEODYMIUM COMPOUNDS, PRODUCTION AND USE THEREOF	LEHMANN, HORST
<u>60397537</u>	Not Issued	159	07/22/2002	CATHODIC ELECTRODEPOSITION COATING AGENTS CONTAINING BISMUTH SALTS TOGETHER WITH YTTRIUM AND/OR NEODYMIUM COMPOUNDS, PRODUCTION AND USE THEREOF	LEHMANN, HORST
<u>10643395</u>	Not Issued	019	08/18/2003	CATHODIC ELECTRODEPOSITION COATING AGENTS CONTAINING BISMUTH SALTS TOGETHER WITH YTTRIUM AND/OR NEODYMIUM COMPOUNDS,	LEHMANN, HORST

				PRODUCTION AND USE THEREOF	
<u>10069036</u>	Not Issued	030	02/15/2002	CLEANING AGENT AND METHOD FOR CLEANING ULTRAFILTRATION MEMBRANES IN ELECTROPHORETIC DIP COATING INSTALLATIONS	LEHMANN, HORST.
<u>08006029</u>	<u>5374378</u>	250	01/15/1993	FLOWABLE MICROBICIDAL AGENTS	LEHMANN, HORST-DIETER

Inventor Search Completed: No Records to Display.

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